

CITY OF RIVERSIDE
HUMAN RESOURCES DEPARTMENT
CLASSIFICATION SPECIFICATION

TITLE: TRAFFIC SIGNAL TECHNICIAN II

DEFINITION

Under general supervision, to perform skilled electronic and advanced electrical work and repair of traffic signal equipment; and to do related work as required.

REPORTS TO: Traffic Signal Maintenance Supervisor

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from the Traffic Signal Maintenance Supervisor. Exercises lead direction of Traffic Signal Technician I.

EXAMPLES OF DUTIES

Typical duties may include, but are not limited to, the following:

- Perform quality assurance testing on new signal equipment.
- Inspect signal controls and auxiliary equipment; diagnose malfunctions; adjust and replace electronic and mechanical equipment.
- Inspection of traffic signals constructed under contract.
- Repair, replace or modify signal head components, controllers, relays, switches, fuses, timers and cabinet parts.
- Construct special test equipment for shop testing of electronic components.
- Investigate complaints and reports of signal malfunctions; adjust, repair or remove defective equipment; make field repairs of damaged equipment.
- Test electronic devices and components using shop equipment.
- Keep accurate work records; order supplies, parts and materials.

QUALIFICATIONS

Knowledge of:

- Methods, materials, tools and practices used in the repair of electronic and mechanical devices.
- Principles of electronics and computer systems.
- Occupational hazards and standard safety precautions necessary in the work environment.

Ability to:

- Perform troubleshooting and repair of electronic signal controllers and related equipment.
- Work with independence and to make decisions relative to work methods and tools.

- Understand and interpret written and oral instructions, including blueprints and wiring diagrams.
- Prepare simple reports.
- Perform heavy manual labor.
- Perform work at heights and have good color vision.
- Use and care for tools and equipment used in maintaining and repairing electronic and mechanical devices.
- Work scheduled and emergency overtime as required.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to the completion of high school graduation, preferably supplemented by college or technical/trade course work in electrical and/or electronic equipment.

Experience: Two years of experience in the maintenance and repair of electrical and/or electronic equipment. Two years of experience in the construction and modification of traffic signals may substitute for the maintenance and repair requirement. Specific traffic signal control system experience is preferred.

MEDICAL CATEGORY: Group 2

NECESSARY SPECIAL REQUIREMENT

Possession of an appropriate, valid class "B" California Motor Vehicle Operator's License.

Possession of, or the ability to obtain, a Level I Signal Certification and a Work Zone Traffic Control Certification from the International Municipal Signal Association.

Must have normal color vision.

The position further requires that the incumbent serve on a rotating basis, mandatory on-call status, with no more than 30 minutes response time to emergency calls from the employee's residence to the Traffic Signal Shop within lawful speed limits.

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Traffic Signal Technician II

TO: Traffic Signal Maintenance Supervisor